



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

ALLIED BANK TOWER AT FOUNTAIN PLACE

1445 ROSS AVENUE

DALLAS, TEXAS 75202

June 15, 1987

RECEIVED

JUN 16 1987

Dr. Dwain Farley, Chief  
Waste Management Service  
Oklahoma State Department of Health  
P.O. Box 53551  
Oklahoma City, Oklahoma 73152

Waste Management Service

Dear Dr. Farley:

This letter is a follow-up to our letters of September 30, 1986, and February 17, 1987, concerning the regulatory status of the McAlester Army Ammunition Plant (McAAP) with respect to RCRA.

We requested and have reviewed the sampling plan and the analytical results from the pink water lagoons and the sediment retention basin. The Bureau of Mines ran a set of five (5) tests to determine the explosive reactivity of the pink water lagoons and the sediment retention basin. The samples consisted of sediment and liquid from the influent and effluent from all eight (8) units. None of the results show the samples to be explosive, reactive, ignitable, or unstable.

The preponderance of evidence indicates that the pink water lagoons and the sediment retention basin do not contain hazardous waste. Therefore, at this time, the pink water lagoons and the sediment retention basin are not subject to the RCRA Subtitle C hazardous waste management program. *Super finding*

As stated in the letter dated September 30, 1986, the demolition furnace does not presently treat hazardous waste. Although, some documentation is needed to verify that the furnace did not treat any ammunition larger than 50 caliber. If the documentation is not furnished, McAAP should submit a plan for cleaning the furnace and removing any ash or dust. The ash or dust generated by the furnace should be disposed of as hazardous waste.

Therefore, processing of McAAP's Part B application for the remaining non-land disposal units should continue, although the statutory timeframe for permit issuance is extended until 1992. Some follow-up work is needed on the demolition furnace in order to clear the files on McAlester.

If you have any questions, please call me at 214) 655-6795

Sincerely yours,

*Sam Becker*  
Sam Becker, P.E.

Chief  
Hazardous Waste Compliance Branch

K047 (R)

Pink/red H<sub>2</sub>O from TNT operation

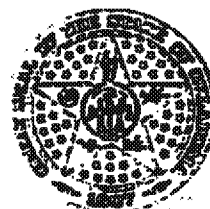
K044 (R) WWT sludge

K045 (R) spent carbon from treat of waste water containing explosives

Jean K. Leavitt, M.D.  
Commissioner  
Board of Health

OKLAHOMA STATE  
DEPARTMENT OF HEALTH

P.O. BOX 53551  
1000 N.E. TENTH  
OKLAHOMA CITY, OK 73152



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March 23, 1989

Colonel James W. Boddie, Commander  
McAlester Army Ammunition Plant  
SMCMC-CO  
McAlester, Oklahoma 74501-5000

DEM —

Dear Colonel Boddie

The Department has reviewed your questions regarding the extent, if any, of RCRA regulations in governing your planned use of tanks, pumps and transports, to move pink water at McAlester Army Ammunition Plant. The United States EPA stated in 1987 that the pink water lagoons and the sediment retention basin do not contain hazardous waste based upon analytical results of samples from same (letter to Dr. Farley from Sam Becker June 15, 1987). The Department agrees with this decision (letter to Colonel Busbee from Robert Rabatine July 21, 1987). Based on these facts the Department does not consider the tanks and transport equipment to be regulated as RCRA units.

If you have any questions, please contact Catherine Sharp at (405) 271-7062

Sincerely,

*Robert A. Rabatine*

Robert A. Rabatine  
Program Administrator  
Industrial Waste Division

RAR/CS/bls

cc Ann Zimmerman, EPA Region VI

*What about future  
practices? MOB,  
evolving technology.*

MARK S. COLEMAN  
Executive Director



DAVID WALTERS  
Governor

File DE  
J  
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*State of Oklahoma*  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

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December 10, 1993

Darrell Elliott, Chief  
Environmental Management Office  
McAlester Army Ammunition Plant  
McAlester, Oklahoma 74501-5000

Re: RCRA Status of Pink Water at McAlester Army Ammunition Plant (McAAP),  
OKD6213822798

Dear Mr. Elliott:

The Hazardous Waste Management Service of the Department of Environmental Quality (Department) has received your letter of November 29, 1993 requesting our concurrence that the pink water generated from the manufacture of explosives at McAAP is not classified as a RCRA hazardous waste.

The Department has examined the Toxicity Characteristic Leaching Procedure (TCLP) test data enclosed in your letter and agrees that the pink water streams sampled are not hazardous wastes based on a toxicity characteristic for 2,4-dinitrotoluene (D030). Testing done earlier and discussed in the letter of June 15, 1987 from Region 6 of EPA to the Oklahoma State Department of Health had established that the pink water was not a hazardous waste based on the characteristic of reactivity or ignitability. Therefore, based on the information provided, the Department agrees that the pink water at McAAP is not a hazardous waste.

Please direct all questions you may have to Dr. J. David Law at (405) 521-2222.

Sincerely,

A handwritten signature in cursive script, appearing to read "H. A. Caves".

H. A. Caves, Chief  
Hazardous Waste Management Service

DDW/JDL

xc. Ann Zimmerman (6H-HS), EPA Region VI  
Karl Taylor, R. S., Pittsburg County DEQ  
Gary Burnett, R. S., District Sanitarian